

## **ELECTRONIC INFORMATION DISCLOSURE STATEMENT**

Electronic Version v18 Stylesheet Version v18.0

> Title of Invention

Combinatorial Selection of Phophorothioate single stranded DNA aptamers for TGF-beta-1 protein

**Application Number:** 

10/828934

Confirmation Number:

5106

First Named Applicant:

**David Gorenstein** 

Attorney Docket Number: UTMB:1022

Art Unit:

1653

Search string:

( 5218088 or 5397698:or 5459015 or 5576302 or 5587361 or 5599797 or 5602000 or 5607923 or 5620963 or 5635488 or 5639868 or 5639873

or 5660985 or 5661134 or 5668264 or 5674685 or 5705337 or 5723594 or 5731144 or 5731424 or 5734041 or 5763595 or 5795721 or 5804445 or 5811533 or 5849479 or 5852984 or 5859228 or 5874219 or 6124449 or 6168778 or 6177557 or 6208816 or 6242246 or 6458543 or 6503715

or 6544776 or 6423493 or 20030162216 ).pn.

## **US Patent Documents**

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No:	Patent No.	Date	Patentee	Kind	Class	Subclass
ADS	1	5218088	1993-06-08	Gorenstein	٠		
ADS	2	5397698	1995-03-14	Goodman			
ADS	3	5459015	1995-10-17	Janjic	•		
ADS	4	5576302	1996-11-19	Cook			
ADS	5	5587361	1996-12-24	Cook			
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ADS	10	5635488	1997-06-03	Cook .			(. (
ADS	11	5639868	1997-06-17	Janjic		•	
ADS	12	5639873	1997-06-17	Barascut			

ADS	13	5660985	1997-08-26	Pieken
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ADS	37	6544776	2003-04-08	Gold
ADS	38	6423493	2002-07-23	Gorenstein

## **US Published Applications**

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
ADS	1	20030162216	2003-08-28	Gold	. ,		

Signature

/Amber Steele/

03/09/2007

Examiner Name	Date

Approved for use through 07/31/2008. OMB 0651-0031
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Complete if Known Substitute for form 1449A/PTO 10/828,934 Application Number INFORMATION DISCLOSURE 04/21/2004 Filing Date STATEMENT BY APPLICANT First Named Inventor Gorenstein et al. Art Unit (Use as many sheets as necessary) **Examiner Name** 2 Attorney Docket Number UTMB:1022 Sheet

			U.S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number - Kind Code <sup>2 (Fknown)</sup>	Publication Date MM-OD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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		FOREIG	N PATENT DOCU	IMENTS	•	
Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> ( <i>if known</i> )	Publication Date MM-DD-YYYY	. Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	т⁰
		WO 00 47774 A1	00/17/2000	Janjio, et al.	\	1
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Examiner Signature	/Amber Steele/	Date Considered	03/09/2007

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PTO/SB/08b (08-03)

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	Substitute for form 1449B/PTO				Complete if Known		
	000000				Application Number	10/828,934	
	INFO	RMATION D	ISCLOSE	IRF	Filing Date	04/21/2004	
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT				First Named Inventor	Gorenstein et al.	
				VIA I	Art Unit		
		(Use as many sheets	as necessary)		Examiner Name		
SI	heet	2	of	2	Attorney Docket Number	UTMB:1022	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
ADS		ANTSYPOVICH, ET AL. (1998) Cross-linked DNA duplexes: Exonuclease stability and Interaction with the nucleic transcription factor of the k light-chain enhancer (NF- kB).	
ADS		BIELINSKA, ET AL. (1990) Regulation of Gene Expression with Double-Stranded Phosphorothioate Oligonucleotides, <i>Science</i> , Vol. 250, pg. 997-1000.	
DADS		KHALED, ET AL. (1998) Use of Phosphorothioate-Modified Oligodeozynucleotides to inhibit NF- kB Expression and Lymphocyte Function, Clinical Immunology and Immunopathology, Vol. 86, No. 2, pp. 170-179.	
		KING, ET AL., (1998) Novel Combinatorial Selection of Phosphorothicate Oligonucleotide Aptamers. Biochemistry, 37, 16489-16493.	
D ADS		KUNSCH, ET AL. (1992) Selection of Optimal κB/Rel DNA-Binding Motifs: Interaction of Both Subunits of NF-κB with DNA is Required for Transcriptional Activation, <i>Molecular and Cellular Biology</i> , October 1992, Vol. 12, No. 10, p. 4412-4421.	
O ADS		LEBRUSKA, ET AL. (1999) Selection and Characterization of an RNA Decoy for Transcription Factor NF-κB <sup>†</sup> , <i>Biochemistry</i> , 38, 3168-3174.	
O ADS		MORISHITA, ET AL. (1997) In vivo transfection of cis element "decoy" against nuclear factor- κB binding site prevents myocardial infarction, <i>Nature Medicine</i> , Vol. 3, No. 8, p. 894-899.	
D ADS	Ì	NAKAMAYE, ET AL. (1988) Direct sequencing of polymerase chain reaction amplified DNA fragments through the incorporation of deoxynucleoside α-thiotriphosphates, <i>Nucleic Acids Research</i> , Vol. 16, No. 21.	(1)
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D ADS		UHLMANN, ET AL. (1997) Studies on the Mechanism of Stabilization of Partially Phosphorothicated Oligonucleotides Against Nucleolytic Degradation, Antisense & nucleic Acid Drug Development, 7:345-350.	
ADS		ZON, GERALD (1988) Oligonucleotide Analogues as Potential Chemotherapeutic Agents. Pharmaceutical Research, Vol. 5, No. 9, pp. 539-549.	

Examiner	/Amber Steele/	Date Considered	03/09/2007
Signature	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Considered	

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## 2<sup>nd</sup> SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Page 1 of 1

Application Number	10/828,934				
Filing Date	04/21/2004				
First Named Inventor	Gorenstein, et al OIPE				
Art Unit	1653				
Attorney Docket Number	UTMB:1022				

Exam. Cite Init.* No.	· Document Number	Publication Date	Name of Patentee	
	No.	Doc. Number-(Kind Code if Known)	MM-DD-YYYY	or Applicant of Cited Document
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ADS	C13	PCT International Search Report and Written Opinion of the International Searching Authority, PCT/us05/13548, 05 May 2006					

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